



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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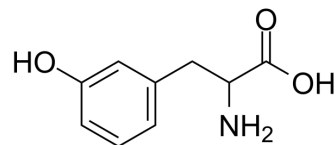
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## DL-m-Tyrosine

Cat. No.:	HY-W001940		
CAS No.:	775-06-4		
Molecular Formula:	C <sub>9</sub> H <sub>11</sub> NO <sub>3</sub>		
Molecular Weight:	181.19		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 1.43 mg/mL (7.89 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	5.5191 mL	27.5953 mL	55.1907 mL
	5 mM	1.1038 mL	5.5191 mL	11.0381 mL
	10 mM	---	---	---
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: PBS Solubility: 5 mg/mL (27.60 mM); Clear solution; Need ultrasonic			

### BIOLOGICAL ACTIVITY

Description	DL-m-Tyrosine shows effects on Arabidopsis root growth. Carbidopa combination with DL-m-tyrosine shows a potent hypotensive effect <sup>[1][2]</sup> .
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### REFERENCES

- [1]. Bertin C, et al. Grass roots chemistry: meta-tyrosine, an herbicidal nonprotein amino acid. Proc Natl Acad Sci U S A. 2007 Oct 23;104(43):16964-9.
- [2]. Schuster B, et al. The mechanism of action of phenylalanine ammonia-lyase: the role of prosthetic dehydroalanine. Proc Natl Acad Sci U S A. 1995 Aug 29;92(18):8433-7.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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